# IUID Vision and Strategy
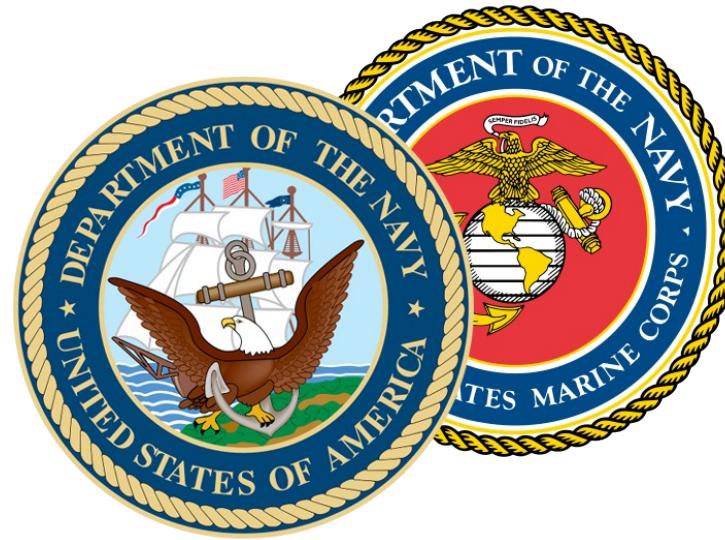
Department of the Navy

28 July 2009

ASN (RDA) OASN (A&LM)

Bottom Line	DON actively engaged in legacy marking across the Department

Background

- **OSD Defense Procurement & Policy (DPAP) Office**
  - **DoDI 8320.04**: *IUID Standards for Tangible Personal Property, dtd 16 Jun 08*
    - UII will be used globally as a common key in financial, property accountability, acquisition, supply, maintenance, and logistics systems
    - Modernize acquisition, logistics, and property management AIS with UII requirements including use of the IUID Registry
  - Quality Assurance Working Group
  - Industry Leaders Advisory Group
  - Warranty Working Group
  - IUID Registry Requirements Review Working Group

- **OSD L&MR: Maintenance Policy & Programs (MPP) Office**
  - **DoDI 4151.19**: *Serialized Item Management for Materiel Maintenance, dtd 26 Dec 06*
    - SIM programs shall facilitate the effective management of populations of select items throughout their life cycle using data associated to a unique item by its UII.
    - Emerging, developing, or planned maintenance AISs shall effectively address SIM program policy, goals and objectives
  - IUID Task Force
  - Serialized Management Planning Working Group
  - Legacy Parts Identification Working Group

- **OSD L&MR: Supply Chain Integration (SCI) Office**
  - ***DoDI 4140.1-R**: *DoD Supply Chain Materiel Management Regulation*
    - IUID requirement to be embedded throughout supply chain process
    - Utilization of Defense Logistics Management Standards (DLMS) compliant transactions and process
  - IUID in the Supply Chain—Receipt, Store, Issue of Controlled Items

- **Weapon Systems Lifecycle Management- Materiel Supply and Service Management (WSLM MSSM) Investment Review Board (IRB)**
  - IUID "Condition" levied on Automated Information Systems (AIS)

*Revision Pending

Vision

- ✓ Develop **cost effective**, **evolutionary** approach enabling DoN to implement IUID

- ✓ Focus implementations as a **by-product of normal** DoN activities

- ✓ Leverage **standard processes and tools**

- ✓ Integrate into SNT and **Serialized Item Management (SIM) processes**

- ✓ Realize the **benefits** of IUID as quickly as possible

Strategy

- ✓ **Phased implementation approach**

- ✓ **Embed in current processes**

- ✓ **Opportunistic Marking**
  - • **Vendor-Applied-at-Source:** Marking applied when item is manufactured
  - • **Opportunity-Based Item Application:** Perform in the field or factory, wherever convenient for accessing items, whether embedded or available in a storage facility
  - • **Seek-and-Apply:** Dependent on establishing the location and availability of items before deployment of application equipment and teams
  - • **Gated:** The interception of items as they transit specific gates within the supply chain

- ✓ **Leverage synergy and commonality across the DON**

- ✓ **Leverage joint opportunities**

Policy Status

IUID

- **SECNAVINST 4440.34 – ECD Aug 09**
  - Enables data plate/label marking without ECRs and drawing changes when no change in form, fit or function and meets label application requirements
  - Requires documentation and approval for virtual marking
  - Clarifies DoD Registry update trigger events
  - Prohibits use of OEM EID during legacy marking without written OEM approval
  - Charges CNO and CMC with programming adequate resources
- **Marking Guide – ECD Aug 09**
  - Under development; builds on extensive test experience at NSWC Corona
- **AIS Strategy – ECD Aug 09**
  - Under development; see separate brief

Serialized Item Management (SIM)

- **DoN Strategy – ECD Jul 09**
  - Final version incorporates initial OSD comments
  - Appendices by each SYSCOM defines tailored approach
- **SECNAVINST Policy – ECD 2010**
  - Initial draft completed

Bottom Line	IUID Policy tools will be completed FY09

Contract Compliance

19% increase in 12-months

- **Dept-wide standardized IUID compliance report processes established**
  - **Procurement Performance Management Assessment Program (PPMAP) audit**
    - 11 Navy and USMC commands audited over 3 yr period
    - Command-level pre-audit checklists incorporating IUID
  - ***DON Enterprise-wide Compliance Report**
    - Semi-annual report (Jun & Dec) covering most recent previous quarter
    - 11 Commands reporting
    - FPDS-NG used to identify random sampling of 15 supply-type contracts per Command
    - EDA used to validate clause insertion, contract structure, etc.
    - Contracting Officers are requested to identify recalcitrant vendors as part of data call
- **Semi-Annual Compliance Statistics**
  - 2nd Q08: 74%
  - 4th Q08: 87%
    - Four commands are at 100% compliance
  - **2nd Q09: 93%**
    - Five commands are at 100% compliance

* IAW OSD DPAP Memo dtd 4 Dec 07 in response to GAO High Risk Assess

Bottom Line	Contract compliance continues on upward momentum

Implementation Initiatives

- **Establish Governance Structure**
  - Draft charter for DON Life Cycle Item Identification Senior Steering Group (LCII SSG)
  - Chartered DON Life Cycle Item Identification IPT since Sep 07

- **Develop Robust Communication Strategy**
  - DON IUID Enterprise Training Symposium
    - Nov 08 and Jul 09
  - DON Life Cycle Item Identification website
  - SYSCOM held IUID Face-To-Face Conferences
  - WebEX Training

- **Identify Standardized Processes and Procedures**
  - Various SYSCOM pilots to establish most efficient and effective methods

- **Create Marking Strategies That Lesson Engineering Workload**
  - Leverage and share lessons learned via Marking Guide
  - Local Engineering Specifications and Local Engineering Processes

- **Leverage Joint Service Solutions**
  - DON using Air Force Enterprise Barcode Service (EBS) contract

- **Develop AIS Strategies**
  - Overarching DON IUID AIS strategy being developed
  - AIS and Information Assurance certification process deliberate and time consuming
  - Separate NMCI certification required

Bottom Line	Develop corporate structure to maximize consistency in implementation efforts and minimize cost

Legacy Parts Identification W

Status

- **Marking**
  - Focus on developing standardized processes and tools to facilitate consistent implementation
  - Institutionalize approach for long-term sustainment
- **Policy**
  - IUID SECNAVINST – in for signature
    - Data label/plate marking rules of engagement
    - IUID Champion at each Systems Command
    - IUID Technical Authority lead at each Systems Command
  - SIM policy – in draft
- **New Contracts**
  - Conduct semi-annual compliance audit
  - Identify trends/resolution
  - Tackle vendor pushback
  - Develop WebEX training for contracting community

Progress

- Varies across Systems Commands
  - NAVAIR: purchased 8 marking carts, deployed complete Jul 2009
  - NAVSEA: completed 10 out of 14 ships, ECD Sep 2009
  - SPAWAR: purchased 12 marking carts
    - Integration labs at LANT and PAC marking prior to ship install
    - DoD-wide effort to define Cryptographic SOP, ECD Sep 2009
  - USMC: enterprise-side marking campaign begins Jul 2009
    - MPRSON 3: ~14,000 marking opportunities ECD Jun 2010
  - NAVFAC: equipment aboard MPSRON 3 will be marked by USMC ECD Jun 2010
  - BUMED: legacy marking of ~6,000 items complete on both hospital ships

Approach

- Local Engineering Specification (LES) / Local Process Specification (LPS)
- Operational-level focus via MFOM
- Establish Governance Structure
  - DoN Life cycle Item Identification (LCII) Working IPT
  - DoN LCII Senior Steering Group (SSG) -- charter under development
- Standardize Processes & Tools
  - Quick Compliance Tool Suite (QCTS)
  - IUID AIS Strategy
  - Marking Guide
- Communication / Change Management
  - DoN IUID Enterprise Training Symposium – July 2009
  - DoN IUID Website http://acquisition.navy.mil/rda/home/acquisition_one_source/item_unique_identification_iuid
  - WebEX training

Issues

- Marking Standards Guide – ECD Aug 2009
- IUID AIS Strategy – ECD Aug 2009

- Engineering Review / Documentation
  - Need for single technical database so information can be easily shared
- Quality Assurance
  - Quality verification at receipt & acceptance
- Resources
  - No centralized funds; distributed across program offices

8

DON Issues / Challenges

- **Progress Varies Across DoN**
  - Understanding and acceptance for what IUID is, why we are doing it / benefits, and how it integrates and aligns with on-going business process improvement efforts
- **Technical Data/Engineering Analysis**
  - Determine WHAT to mark – and who, when, how, and where to mark
  - Contractual issues
- **Schedule**
  - Need to identify/mark "low hanging fruit"
  - Develop post production marking capability for legacy equipment
  - Identify opportunities to mark legacy equipment at times/locations other than during depot maintenance
  - Develop strategy/timeline to mark items with long maintenance cycle
- **Resources**
  - How do we pay for it?
  - Funding will continue to be a challenge until POM process catches up
  - Minimize man-hours required by automating, where feasible, and developing smart processes/practices
- **Metrics**
  - Activity: for the actions and activity associated with IUID implementation
  - Results: for the output impacts of IUID implementation on cost, schedule, quality, reliability, maintainability, readiness, accuracy, etc.

Bottom Line	Need to achieve a *common, shared* IUID strategy, plan, business rules, and process across ALL Enterprises, platforms, and programs

Summary

- Provide overarching policy and guidance to enable low-cost, opportunistic legacy marking

- Provide infrastructure to support SYSCOM initiatives, re engineering, marking, labels, and quality

- Promulgate standard processes and procedures

- Provide training and communication service-wide at no cost, responding to expressed needs of SYSCOMS

- Maximize leveraging of other Services initiatives and each SYSCOM's experience

- Handle higher-level AIS/ERP issues at enterprise DON-level

Bottom Line	Process-based approach maximizes local initiatives, reduces implementation cost and expedites results
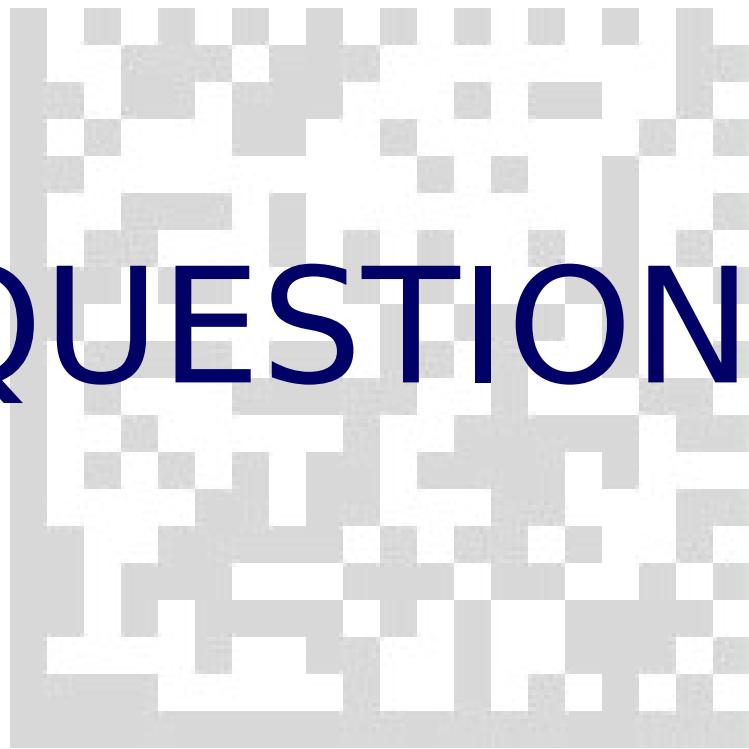
QUESTIONS

Serialized Item Management Stra

- ## Overarching DON-wide Program Elements

  - Define vision and centralized strategy to be used across the Department to achieve successful integration, implementation, evaluation, monitoring, and continuous improvement of SIM

- ## SYSCOM Appendices

  - Define the processes and procedures unique to their environment to ensure maximum compliance as stipulated within the DoN guidance.
    - Bureau of Navy Medicine (BUMED)
    - Marine Corps Systems Command (MARCORSYSCOM)
    - Naval Air Systems Command (NAVAIR)
    - Naval Facilities Systems Command (NAVFAC)
    - Naval Sea Systems Command (NAVSEA)
    - Naval Supply Systems Command (NAVSUP)
    - Space and Naval Systems Warfare Command (SPAWAR)

Bottom Line	**Strategy provides the opportunity for flexibility, innovation and**

priority sequencing of SIM implementation

Unique Item Identifier (UII)

UII is . . .

. . . the set of data for tangible assets that is **globally unique** and **unambiguous**, ensures **data integrity** and **data quality throughout life**, and supports **multi-faceted** business applications and

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